



## **NexGen Intersects 56.5m at 11.55% U<sub>3</sub>O<sub>8</sub> Including 20.0m at 20.68% U<sub>3</sub>O<sub>8</sub> in Hole AR-15-44b**

**Vancouver, BC, June 15<sup>th</sup>, 2015 – NexGen Energy Ltd. (TSX-V: NXE)** ("NexGen" or the "Company") is pleased to report assay results for angled hole AR-15-44b from the successful winter 2015 program at the Arrow zone on our 100% owned Rook I property, Athabasca Basin, Saskatchewan.

AR-15-44b has delivered one of the finest uranium mineralized intersections ever drilled in the Athabasca Basin, and is the most continuously mineralized intersection of any hole drilled at the Arrow zone to date. Assays are presented in Table 1, a plan map of the Arrow zone is shown in Figure 1, long sections of the A2 and A3 high grade core zones are shown in Figures 2 and 3, respectively.

### **Highlights:**

- AR-15-44b showcases Arrow as a world-class discovery resulting in a **total composite grade thickness ("GT") of 853.55;**
- **56.5 m at 11.55% U<sub>3</sub>O<sub>8</sub>** (499.5 to 556.0 m) including **20.0 m at 20.68% U<sub>3</sub>O<sub>8</sub>** (499.5 to 519.5 m) and **1.0 m at 70.00% U<sub>3</sub>O<sub>8</sub>** (503.0 to 504.0 m);
- The most **continually mineralized intersection** at the Arrow zone to date with a **GT of 654.78** ranking it as one of the top drill holes ever in uranium exploration;
- Located on the current south western edge of the high grade core zones of A2 and A3 shears (see Figures 2 and 3). Summer drilling to step out further to the untested south west;
- The Arrow zone is currently 515m by 215m with the vertical extent of mineralization commencing from 100m and extending down to 920m, and is open in all directions (a 90 second 3D video of Arrow generated from Leapfrog is available for viewing on the Company website);
- Two of five rigs of the 25,000m \$9 Million summer drill program commenced June 8, 2015;
- The Company is well financed with working capital of \$30 Million.

Garrett Ainsworth, NexGen's Vice-President, Exploration and Development, commented "This world-class result from AR-15-44b will add substantial size to the rapidly developing Arrow zone. When increasing the internal dilution from 2.0 m to 4.5 m, this drill hole returns a total composite interval of 168.5 m at 5.00% U<sub>3</sub>O<sub>8</sub> (455.5 to 624.0 m) representing an estimated true thickness of 43.6 m with only 1.2 m of estimated true thickness internal dilution. The summer 2015 drill program is now underway, and the technical team is excited to continue delineating and expanding the high grade Arrow zone,

together with testing the high priority regional geophysical targets.”

Leigh Curyer, Chief Executive Officer commented, “AR-15-44b represents a landmark hole and places Arrow into an exclusive class of uranium discoveries on the global stage. Intersecting extensive and high grade mineralization of this magnitude on the south western edge of the current known mineralized zone at Arrow has opened up the potential size and scale of the project to a whole new level. The success rate at Arrow is a result of the diligent work of the technical team led by Garrett Ainsworth and is a credit to all involved”.

**Table 1: Drill Hole AR-15-44b Composite Mineralized Intervals**

Drill Hole				Athabasca Group - Basement Unconformity Depth (m)	SRC Geoanalytical Results				Grade (U3O8%) x Thickness (m) (GT)
Hole ID	Azimuth	Dip	Total Depth (m)		From (m)	To (m)	Interval (m)	U3O8 (wt%)	
AR-15-44b	140	-75	1011.00	108.40	429.00	434.50	5.50	0.03	0.18
					441.00	442.00	1.00	0.04	0.04
					450.50	452.00	1.50	0.08	0.12
					455.50	461.00	5.50	2.03	11.15
					463.50	483.00	19.50	1.03	20.07
					486.00	497.00	11.00	5.42	59.64
					499.50	568.00	68.50	9.56	654.78
				<i>including</i>	499.50	556.00	56.50	11.55	
				<i>including</i>	499.50	519.50	20.00	20.68	
				<i>including</i>	503.00	504.00	1.00	70.00	
					570.50	571.50	1.00	0.10	0.10
					576.00	578.00	2.00	0.03	0.06
					582.00	586.00	4.00	1.64	6.56
					590.00	624.00	34.00	2.65	90.14
					630.50	631.00	0.50	0.02	0.01
					639.00	645.00	6.00	0.05	0.27
					652.00	667.00	15.00	0.06	0.85
					670.00	675.00	5.00	0.08	0.40
					680.00	687.00	7.00	0.02	0.16
					694.00	718.00	24.00	0.04	0.96
					743.50	744.00	0.50	2.15	1.08
					776.50	777.50	1.00	0.03	0.03
					810.50	813.00	2.50	0.14	0.36
					827.50	828.50	1.00	0.15	0.15
					832.50	833.50	1.00	0.09	0.09
					871.50	874.50	3.00	0.03	0.09
					878.50	879.50	1.00	0.06	0.06
	892.00	893.00	1.00	0.04	0.04				
	908.00	908.50	0.50	0.03	0.01				
	919.50	921.00	1.50	1.23	1.85				
	935.50	941.00	5.50	0.77	4.22				
	946.50	949.50	3.00	0.03	0.08				
<b>Total Composite Grade x Thickness (GT) =</b>									<b>853.55</b>

**Composite parameters:**

- Minimum thickness 0.5 m downhole
- Cutoff grade 0.01% U<sub>3</sub>O<sub>8</sub> (weight %)
- Maximum internal dilution 2.00 m downhole
- U<sub>3</sub>O<sub>8</sub> analyzed by ICP-OES at SRC laboratories, Saskatoon
- All depths and intervals are meters downhole

Split core samples were taken systematically, and intervals were submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis. All samples were analyzed using ICP-MS for trace elements on the partial and total digestions, ICP-OES for major and minor elements on the total digestion, and fusion solution of boron by ICP-OES. Mineralized samples were analyzed for U<sub>3</sub>O<sub>8</sub> by ICP-OES and gold by fire assay.

Figure 1: Arrow Zone Drill Hole Locations

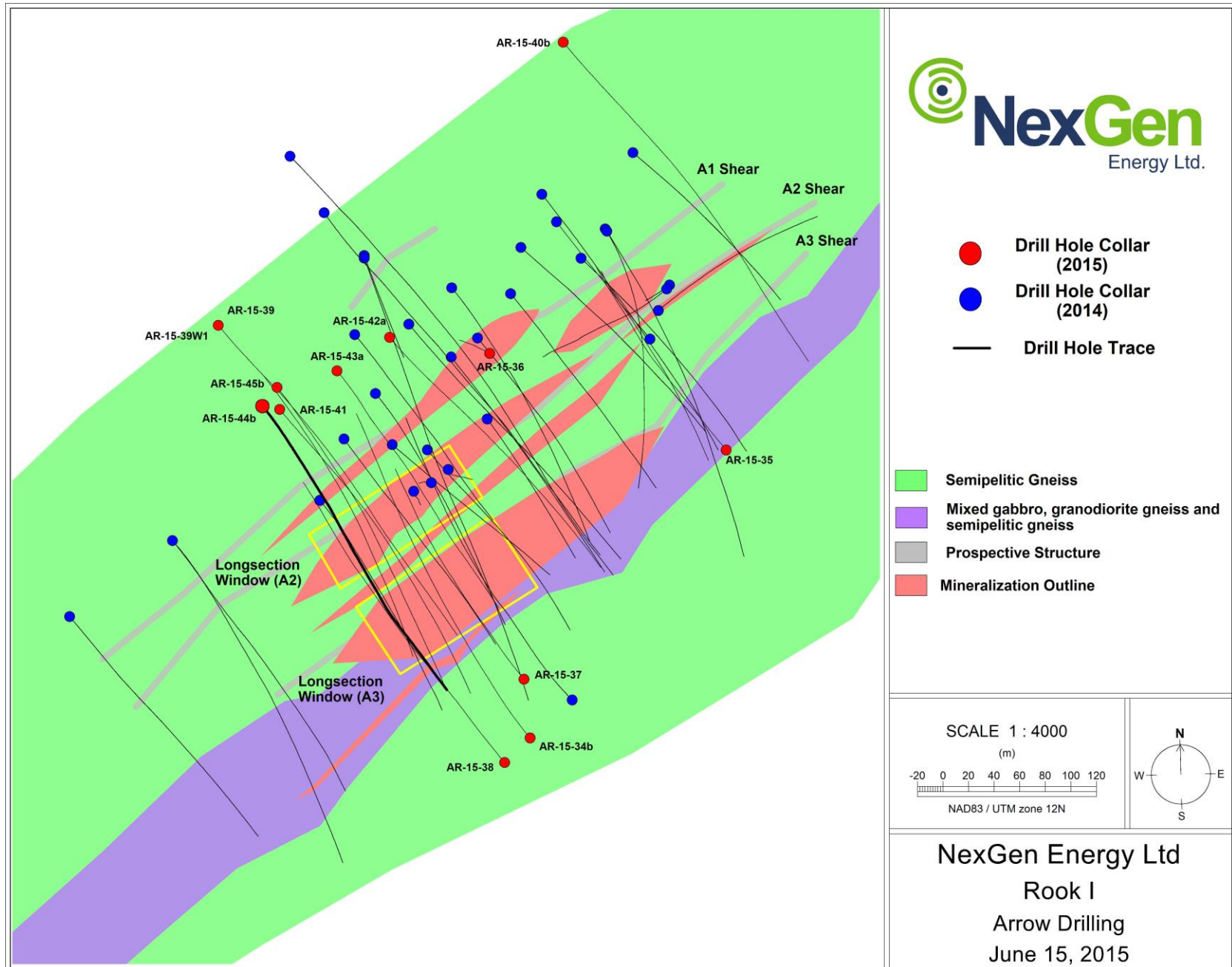


Figure 2: A2 Mineralized Shear Long Section



**Radioactive Intersection (Assays Pending)**

**Uranium Assay Intersection**

**Assay Results**

**2015**

**AR-15-34b: 2.20% U3O8 / 70.0m**

**AR-15-37: 2.46% U3O8 / 16.5m  
0.34% U3O8 / 13.5m  
2.88% U3O8 / 40.0m  
0.75% U3O8 / 6.0m**

**AR-15-38: 0.90% U3O8 / 32.0m**

**AR-15-39: 2.82% U3O8 / 27.0m**

**AR-15-39w1: 0.74% U3O8 / 9.0m  
1.85% U3O8 / 26.0m**

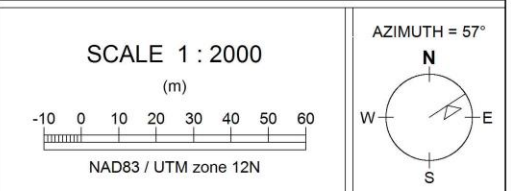
**AR-15-41: 2.31% U3O8 / 57.0m**

**AR-15-42a: Assays Pending**

**AR-15-43a: Assays Pending**

**AR-15-44b: 5.42% U3O8 / 11.0m  
9.56% U3O8 / 68.5m  
2.65% U3O8 / 34.0m**

**AR-15-45b: Assays Pending**



**NexGen Energy**  
Arrow Zone  
Longitudinal Section - A2 Shear  
June 15, 2015

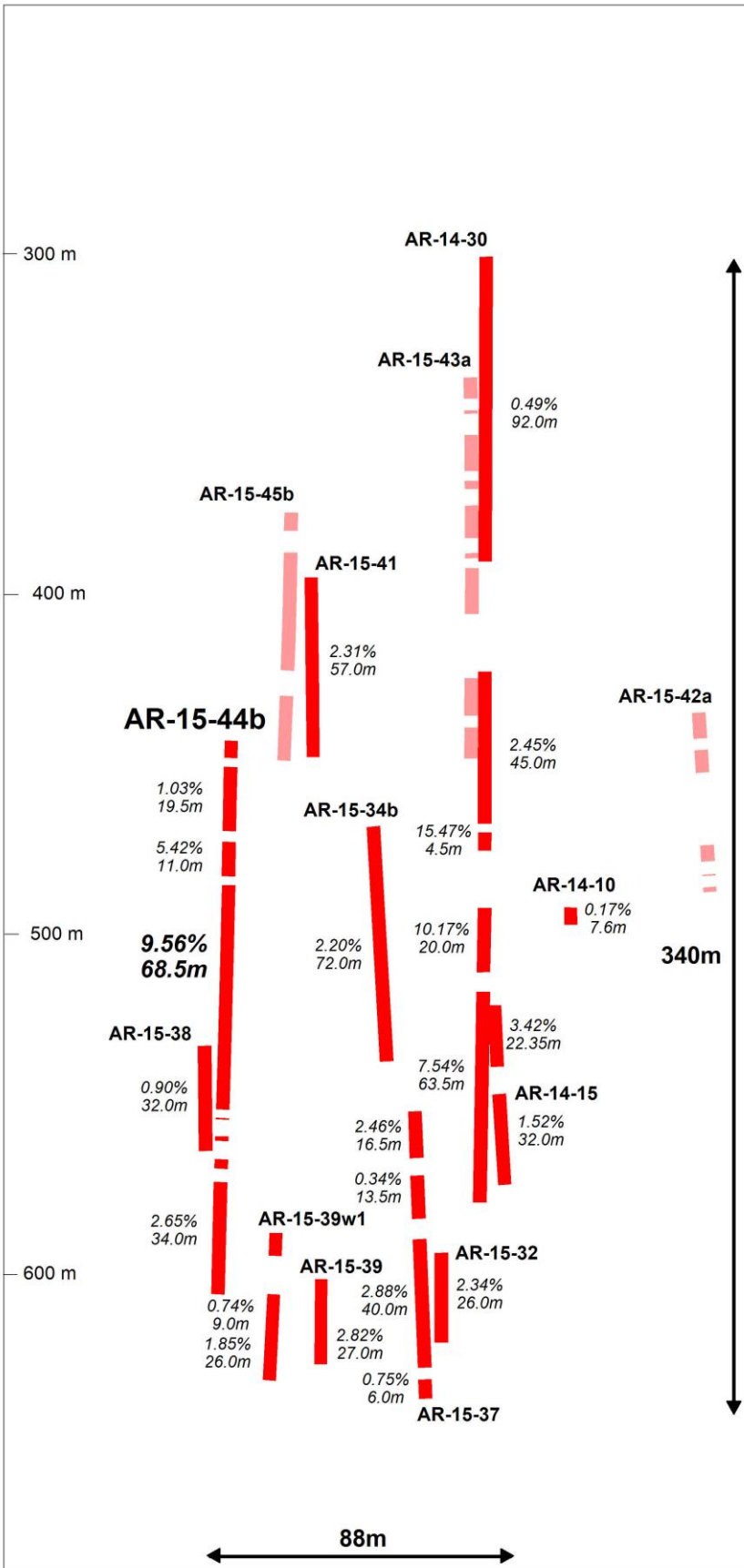


Figure 3: A3 Mineralized Shear Long Section



Radioactive Intersection (Assays Pending)

Uranium Assay Intersection

**Assay Results**

**2015**

**AR-15-39:** 1.12% U3O8 / 14.0m  
1.74% U3O8 / 2.0m  
2.27% U3O8 / 29.5m

**AR-15-39w1:** 0.97% U3O8 / 9.0m  
0.72% U3O8 / 36.0m

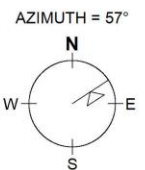
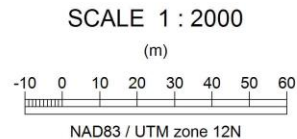
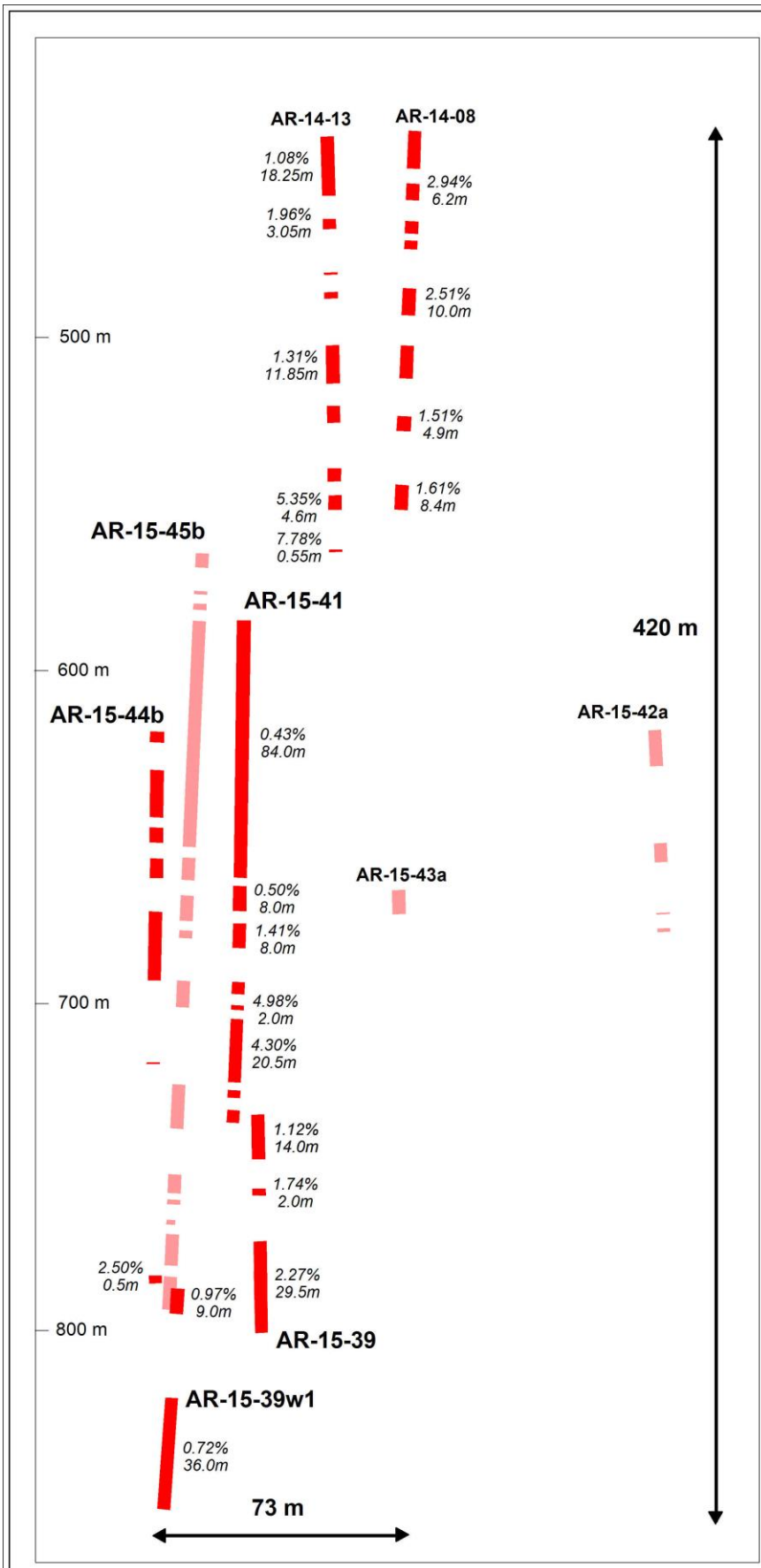
**AR-15-41:** 0.43% U3O8 / 84.0m  
0.50% U3O8 / 8.0m  
4.98% U3O8 / 2.0m  
4.30% U3O8 / 20.5m

**AR-15-42a:** Assays Pending

**AR-15-43a:** Assays Pending

**AR-15-44b:** 2.50% U3O8 / 0.5m

**AR-15-45b:** Assays Pending



**NexGen Energy**  
Arrow Zone  
Longitudinal Section - A3 Shear  
June 15, 2015



## About NexGen

NexGen is a British Columbia corporation with a focus on the acquisition, exploration and development of Canadian uranium projects. NexGen has a highly experienced team of uranium industry professionals with a successful track record in the discovery of world class uranium deposits and in developing projects from discovery through to production.

NexGen owns a portfolio of highly prospective uranium exploration assets in the Athabasca Basin, Saskatchewan, Canada, including a 100% interest in Rook I, location of the Arrow Discovery in February 2014 and Bow Discovery in March 2015.

The technical information in this news release has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of NexGen Energy Ltd., by Garrett Ainsworth, P.Geo., Vice President – Exploration & Development, a qualified person.

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